



Kentucky Agricultural Statistics Service
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KENTUCKY WEEKLY CROP & WEATHER REPORT



Prepared in Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, State Statistician

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TNS 18-03

AGRICULTURAL NEWS: Temperatures for the State averaged 74 degrees which was 3 degrees below normal. Precipitation for the week was 0.16 inches below normal, except for the central part of the State which was hit by heavy rains on Monday the 21st. Strong winds with this storm did some damage to tobacco. The major farming activity this week included topping and cultivating tobacco, harvesting hay, and clipping pastures. Days suitable for fieldwork averaged 4.8 out of a possible seven days. Topsoil moisture as of Friday, July 25 was rated 2 percent very short, 18 percent short, 72 percent adequate and 8 percent surplus. Subsoil moisture was rated 1 percent very short, 16 percent short, 77 percent adequate and 6 percent surplus.

CORN: Most reporters seem to be optimistic about the corn crop. The western part of the State still needs more rain. As of Sunday, July 27, seventy-five percent of the corn has silked or is silking, compared to last year's 83 percent and the 5 year average of 88 percent. Fifty-four percent was in the milk stage or beyond, which was the same as last year's 54 percent and the 5 year average of 60 percent. Twenty-six percent of the corn has reached the dough stage or beyond, compared to 33 percent last year and the 5 year average of 36 percent. The emerged corn was in fair to excellent condition, with 2 percent very poor, 9 percent poor, 22 percent fair, 42 percent good, and 25 percent excellent.

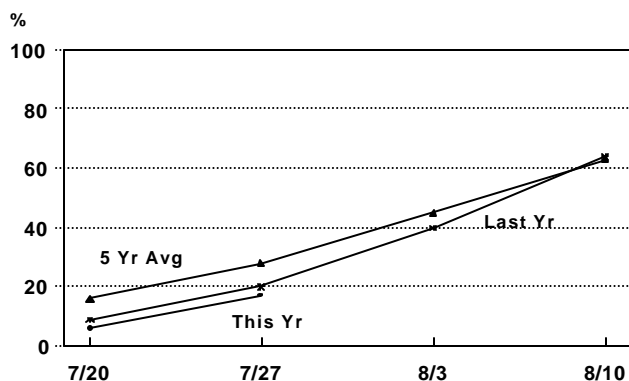
SOYBEANS: Farmers were spraying the soybeans for weeds during the week. As of Sunday, July 27, 33 percent of the soybeans were blooming and 10 percent were setting

pods, last year 42 percent were blooming and 19 percent were setting pods. The 5 year average for soybeans blooming and setting pods were 55 and 29 percent respectively. Condition of emerged soybeans was rated 1 percent very poor, 5 percent poor, 22 percent fair, 53 percent good, and 19 percent excellent.

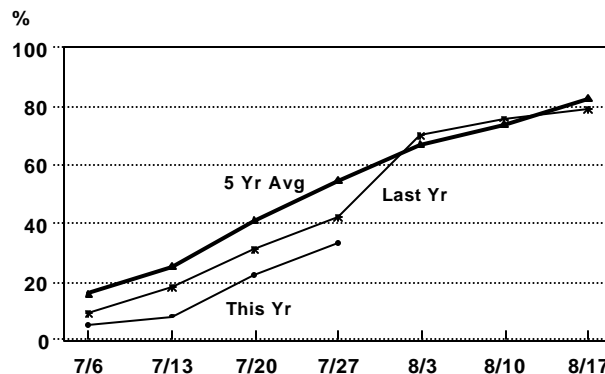
TOBACCO: There were minimal reports of disease or insect problems in the tobacco, that was the good news. The rest of the reports were mixed and weather related. Those areas hit with heavy rains also had high winds that blew down tobacco. As of Sunday, July 27, the condition of set tobacco was reported as 3 percent very poor, 12 percent poor, 31 percent fair, 42 percent good, and 12 percent excellent. Thirty-five percent of burley tobacco was blooming or beyond, which was behind both last year's 51 percent and the 5 year average of 55 percent. Seventeen percent of burley tobacco was topped, also behind both last year's 20 percent and the 5 year average of 28 percent. Dark tobacco reported topped was 30 percent, compared with 50 percent for 2002 and 57 percent for the 5 year average.

OTHER CROPS: Hay baling and pasture clipping continued to be the major farming activities this past week. The condition of the hay crop was rated 1 percent very poor, 4 percent poor, 24 percent fair, 53 percent good, and 18 percent excellent. **Pastures** remain in good to excellent condition and were rated 1 percent very poor, 3 percent poor, 21 percent fair, 58 percent good and 17 percent excellent.

BURLEY TOBACCO PERCENT TOPPED



SOYBEANS PERCENT BLOOMING



KENTUCKY CROP PROGRESS

WEEK ENDING JULY 27, 2003

WITH COMPARISONS

| Crop Stage | This Week | Previous Year | 5-Yr. Avg. | Previous Week KY | U.S. |
|----------------|-----------|---------------|------------|---------------------|------|
| Percentage | | | | | |
| Soybeans | | | | | |
| Blooming | 33 | 42 | 55 | 22 | 49 |
| Setting Pods | 10 | 19 | 29 | 4 | 10 |
| Corn | | | | | |
| Silking | 75 | 83 | 88 | 68 | 42 |
| Milk Stage | 54 | 54 | 60 | 38 | NA |
| Dough Stage | 26 | 33 | 36 | 18 | 6 |
| Burley Tobacco | | | | | |
| Blooming | 35 | 51 | 55 | 21 | NA |
| Topped | 17 | 20 | 28 | 6 | NA |
| Dark Tobacco | | | | | |
| Topped | 30 | 50 | 57 | NA | NA |

(NA) Data Not Available.

SOIL MOISTURE

WEEK ENDING JULY 25, 2003

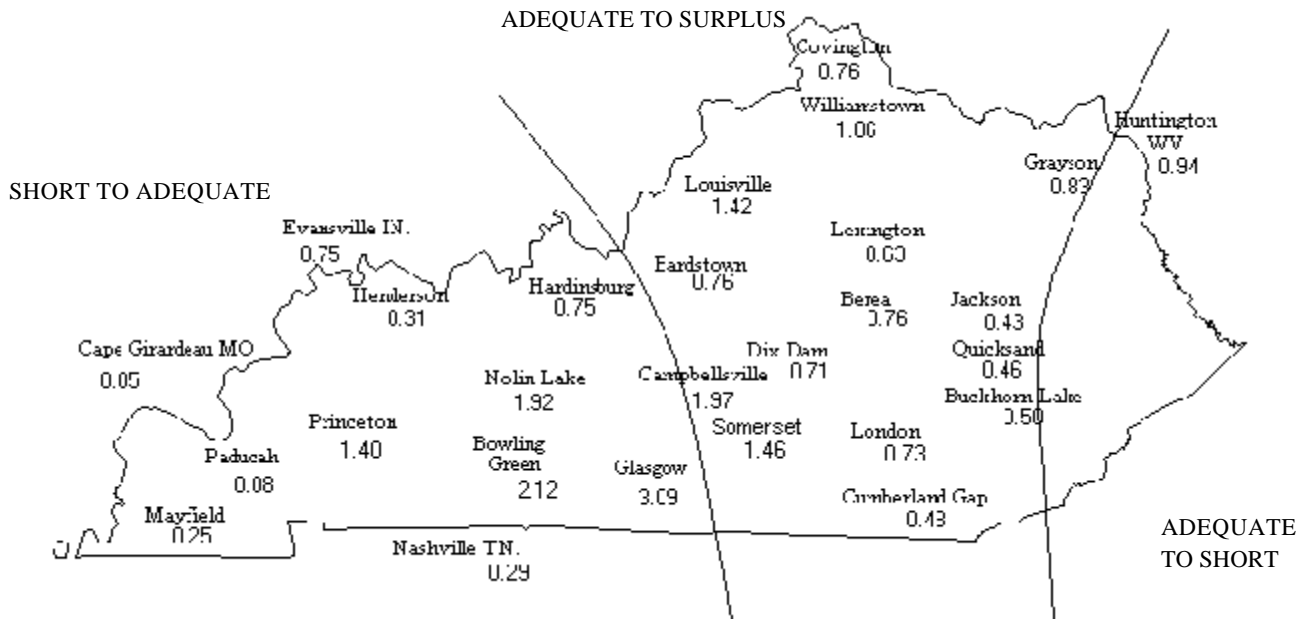
WITH COMPARISONS

| | This Week | Previous Week |
|----------------|-----------|---------------|
| Percentage | | |
| TOPSOIL | | |
| Very Short | 2 | 2 |
| Short | 18 | 24 |
| Adequate | 72 | 68 |
| Surplus | 8 | 6 |
| SUBSOIL | | |
| Very Short | 1 | 2 |
| Short | 16 | 20 |
| Adequate | 77 | 71 |
| Surplus | 6 | 7 |

KENTUCKY CROP CONDITIONS (Percent)

| CROP | WEEK ENDING JULY 25, 2003 | | | | | WEEK ENDING JULY 18, 2003 | | | | |
|-----------|---------------------------|------|------|------|----------------|---------------------------|------|------|------|----------------|
| | VERY POOR | POOR | FAIR | GOOD | EXCEL- LENT | VERY POOR | POOR | FAIR | GOOD | EXCEL- LENT |
| Corn | 2 | 9 | 22 | 42 | 25 | 3 | 12 | 26 | 38 | 21 |
| Soybeans | 1 | 5 | 22 | 53 | 19 | 1 | 7 | 25 | 46 | 21 |
| Pasture | 1 | 3 | 21 | 58 | 17 | 1 | 7 | 24 | 49 | 19 |
| Hay Crops | 1 | 4 | 24 | 53 | 18 | 1 | 5 | 27 | 54 | 13 |
| Tobacco | 3 | 12 | 31 | 42 | 12 | 3 | 14 | 26 | 47 | 10 |

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 27, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 25, 2003



KENTUCKY WEATHER SUMMARY, JULY 21 - 27, 2003:

Temperatures for the period averaged 74 degrees across the State which was 3 degrees below normal. High temperatures averaged from 86 in the West to 81 in the East. Departure from normal high temperatures ranged from 3 degrees below normal in the West to 5 degrees below normal in the East. Low temperatures averaged from 64 degrees in the West to 63 degrees in the East. Departure from normal low temperature ranged from 2 degrees below normal in the West to 1 degree below normal in the East.

Precipitation (liq. equ.) for the period totaled 0.90 inches statewide which was 0.16 inches below normal. Precipitation totals by climate division, West 0.47 inches, Central 1.68 inches, Bluegrass 0.70 inches and East 0.73 inches, which was -0.45, +0.57, -0.36 and -0.40 inches respectively from normal. By station, precipitation totals ranged from a low of 0.05 inches at Cape Girardeau to a high of 3.09 inches at Glasgow.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, JULY 27, 7:00 P.M.

| Weather Station | Rainfall | | | Deviation From | | Air Temperature | | | | Growing Degree Days | | |
|-----------------|-----------|---------------|---------------|----------------------|-----------------|-----------------|-----|------------|----------------|---------------------|--------------|-------------------|
| | Last Week | Since April 1 | Last Four Wks | Norm Since Apr. 1 | Norm Last 4 Wks | High | Low | Wkly. Avg. | Dev. From Norm | Last Week | Since Apr. 1 | Dev. Since Apr. 1 |
| | (Inches) | | | (Degrees Fahrenheit) | | | | | | | | |
| Bardstown | 0.76 | 21.97 | 3.16 | +5.61 | -1.32 | 88 | 57 | 72.7 | -3 | 156 | 2040 | -33 |
| Berea | 0.76 | 24.94 | 6.70 | +8.07 | +2.72 | 86 | 57 | 73.5 | -2 | 163 | 2061 | -70 |
| Bowling Green | 2.12 | 22.99 | 3.37 | +5.43 | -0.90 | 90 | 57 | 73.6 | -3 | 162 | 2179 | +18 |
| Bristol | 0.42 | 24.74 | 6.65 | +10.24 | +2.77 | 88 | 56 | 72.1 | -3 | 152 | 1951 | -4 |
| Buckhorn Lake | 0.50 | 22.89 | 3.45 | +6.66 | -0.90 | 86 | 58 | 71.8 | -4 | 150 | 1965 | +97 |
| Cape Girardeau | 0.05 | 20.85 | 2.19 | +4.68 | -1.01 | 98 | 56 | 76.3 | -2 | 171 | 2152 | -124 |
| Campbellsville | 1.97 | 23.90 | 6.20 | +5.13 | +1.38 | 89 | 58 | 73.6 | -3 | 162 | 2163 | +62 |
| Covington | 0.76 | 16.50 | 4.54 | +0.94 | +0.72 | 87 | 55 | 72.0 | -3 | 152 | 1816 | -106 |
| Cumberland Gap | 0.48 | 24.55 | 5.82 | +6.81 | +1.09 | 88 | 57 | 72.8 | -3 | 156 | 2032 | +107 |
| Dix Dam | 0.71 | 23.87 | 4.64 | +6.92 | +0.20 | 87 | 57 | 73.1 | -2 | 159 | 2034 | -39 |
| Evansville | 0.75 | 15.19 | 2.66 | -0.59 | -0.98 | 92 | 59 | 74.5 | -3 | 165 | 2055 | -103 |
| Glasgow | 3.09 | 24.48 | 6.68 | +5.65 | +1.90 | 91 | 58 | 74.6 | -2 | 164 | 2249 | +178 |
| Grayson | 0.83 | 23.07 | 4.03 | +7.11 | -0.33 | 86 | 56 | 72.4 | -3 | 155 | 1945 | +138 |
| Hardinsburg | 0.75 | 18.64 | 1.89 | +1.52 | -2.39 | 91 | 58 | 73.1 | -3 | 155 | 2067 | -94 |
| Henderson | 0.31 | 21.70 | 5.25 | +5.54 | +1.56 | 92 | 58 | 74.6 | -3 | 166 | 2114 | -74 |
| Huntington | 0.94 | 23.08 | 4.32 | +7.23 | -0.10 | 86 | 55 | 72.4 | -3 | 155 | 1930 | -22 |
| Jackson | 0.43 | 20.71 | 2.54 | +3.74 | -2.16 | 86 | 59 | 71.9 | -3 | 151 | 1922 | +54 |
| Lexington | 0.63 | 22.74 | 3.87 | +6.38 | -0.61 | 87 | 57 | 72.7 | -3 | 156 | 1960 | +8 |
| London | 0.73 | 24.37 | 4.61 | +8.42 | +0.34 | 86 | 56 | 71.5 | -4 | 149 | 1949 | +24 |
| Louisville | 1.42 | 22.35 | 5.17 | +6.11 | +1.13 | 90 | 60 | 73.7 | -2 | 160 | 2052 | -106 |
| Mayfield | 0.25 | 15.43 | 0.35 | -1.91 | -3.67 | 89 | 58 | 73.6 | -4 | 162 | 2038 | -184 |
| Nashville | 0.29 | 19.13 | 4.00 | +2.85 | +0.42 | 92 | 60 | 76.1 | -0 | 174 | 2291 | -15 |
| Nolin Lake | 1.92 | 21.81 | 3.72 | +3.48 | -0.81 | 90 | 58 | 73.8 | -2 | 162 | 2165 | +179 |
| Paducah | 0.08 | 18.92 | 1.68 | +1.27 | -2.10 | 93 | 59 | 76.6 | -1 | 177 | 2210 | -39 |
| Princeton | 1.40 | 18.71 | 1.86 | +1.36 | -2.00 | 94 | 59 | 76.6 | -1 | 174 | 2216 | -2 |
| Quicksand | 0.46 | 26.50 | 2.52 | +9.53 | -2.18 | 86 | 59 | 71.9 | -3 | 151 | 1979 | +111 |
| Somerset | 1.46 | 29.49 | 7.07 | +11.57 | +2.67 | 87 | 57 | 72.9 | -3 | 157 | 2042 | +26 |
| Spindletop | 0.30 | 16.89 | 2.22 | +0.53 | -2.26 | 87 | 59 | 72.1 | -3 | 152 | 1899 | -53 |
| Williamstown | 1.06 | 18.09 | 5.80 | +1.81 | +1.73 | 88 | 57 | 73.9 | -2 | 164 | 2001 | +49 |

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

CROP PROGRESS PERCENT FOR WEEK ENDING JULY 20, 2003

SOYBEANS SETTING PODS

| | Curr | Last Wk | 2002 | Avg |
|-----------|------|---------|------|-----|
| AR | 19 | 10 | 22 | 17 |
| IL | 8 | 3 | 10 | 17 |
| IN | 5 | 1 | 8 | 18 |
| IA | 13 | 1 | 25 | 23 |
| KS | 11 | 5 | 13 | 18 |
| KY | 4 | 1 | 9 | 16 |
| LA | 49 | 30 | 45 | 53 |
| MI | 2 | 0 | 4 | 10 |
| MN | 7 | 1 | 12 | 12 |
| MS | 70 | 59 | 57 | 65 |
| MO | 7 | 2 | 10 | 13 |
| NE | 3 | 0 | 15 | 13 |
| NC | 0 | 0 | 3 | 3 |
| ND | 10 | 3 | 21 | 19 |
| OH | 6 | 0 | 4 | 15 |
| SD | 8 | 1 | 16 | 18 |
| TN | 10 | 0 | 22 | 17 |
| WI | 0 | 0 | 2 | 4 |
| 18 States | 10 | 3 | 15 | 18 |

These 18 States planted 96% of last year's soybean acreage.

CORN SILKING

| | Curr | Last Wk | 2002 | Avg |
|-----------|------|---------|------|-----|
| CO | 22 | 5 | 20 | 24 |
| IL | 65 | 35 | 55 | 69 |
| IN | 35 | 13 | 25 | 61 |
| IA | 32 | 3 | 57 | 48 |
| KS | 71 | 48 | 64 | 77 |
| KY | 68 | 57 | 68 | 78 |
| MI | 3 | 1 | 8 | 26 |
| MN | 44 | 8 | 53 | 50 |
| MO | 81 | 63 | 79 | 79 |
| NE | 41 | 12 | 58 | 56 |
| NC | 86 | 74 | 92 | 88 |
| ND | 28 | 4 | 36 | 37 |
| OH | 28 | 6 | 18 | 38 |
| PA | 3 | 0 | 26 | 36 |
| SD | 6 | 0 | 13 | 17 |
| TN | 92 | 90 | 97 | 91 |
| TX | 86 | 76 | 92 | 85 |
| WI | 13 | 1 | 10 | 23 |
| 18 States | 42 | 19 | 47 | 53 |

These 18 States planted 92% of last year's corn acreage.

CORN DOUGH

| | Curr | Last Wk | 2002 | Avg |
|-----------|------|---------|------|-----|
| CO | 1 | 0 | 1 | 2 |
| IL | 7 | 2 | 8 | 12 |
| IN | 2 | 0 | 2 | 7 |
| IA | 0 | 0 | 1 | 1 |
| KS | 12 | 5 | 12 | 16 |
| KY | 18 | 8 | 13 | 17 |
| MI | 0 | 0 | 0 | 0 |
| MN | 0 | 0 | 0 | 0 |
| MO | 26 | 12 | 28 | 28 |
| NE | 1 | 0 | 7 | 4 |
| NC | 20 | 8 | 59 | 55 |
| ND | 0 | 0 | 0 | 0 |
| OH | 0 | 0 | 0 | 3 |
| PA | 0 | 0 | 3 | 6 |
| SD | 0 | 0 | 0 | 1 |
| TN | 50 | 20 | 44 | 38 |
| TX | 65 | 62 | 66 | 64 |
| WI | 0 | 0 | 0 | 0 |
| 18 States | 6 | 3 | 7 | 8 |

These 18 States planted 92% of last year's corn acreage.

CROP CONDITION PERCENT FOR WEEK ENDING JULY 20, 2003

SOYBEANS

| State | VP | P | F | G | EX |
|-----------|----|----|----|----|----|
| AR | 3 | 10 | 30 | 43 | 14 |
| IL | 1 | 4 | 21 | 52 | 22 |
| IN | 6 | 13 | 32 | 41 | 8 |
| IA | 1 | 3 | 14 | 58 | 24 |
| KS | 0 | 3 | 38 | 52 | 7 |
| KY | 1 | 7 | 25 | 46 | 21 |
| LA | 4 | 11 | 29 | 47 | 9 |
| MI | 1 | 9 | 27 | 51 | 12 |
| MN | 1 | 3 | 19 | 57 | 20 |
| MS | 0 | 2 | 17 | 50 | 31 |
| MO | 3 | 9 | 37 | 45 | 6 |
| NE | 1 | 6 | 30 | 52 | 11 |
| NC | 1 | 3 | 32 | 60 | 4 |
| ND | 2 | 4 | 17 | 59 | 18 |
| OH | 4 | 11 | 32 | 42 | 11 |
| SD | 1 | 2 | 20 | 51 | 26 |
| TN | 1 | 4 | 24 | 55 | 16 |
| WI | 1 | 3 | 11 | 59 | 26 |
| 18 States | 2 | 6 | 24 | 51 | 17 |
| Prev Week | 2 | 5 | 23 | 54 | 16 |
| Prev Year | 7 | 15 | 35 | 36 | 7 |

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

CORN

| State | VP | P | F | G | EX |
|-----------|----|----|----|----|----|
| CO | 0 | 2 | 13 | 51 | 34 |
| IL | 1 | 4 | 15 | 52 | 28 |
| IN | 6 | 14 | 29 | 41 | 10 |
| IA | 1 | 3 | 12 | 54 | 30 |
| KS | 4 | 12 | 33 | 42 | 9 |
| KY | 3 | 12 | 26 | 38 | 21 |
| MI | 0 | 5 | 27 | 54 | 14 |
| MN | 1 | 2 | 16 | 58 | 23 |
| MO | 3 | 10 | 30 | 48 | 9 |
| NE | 1 | 7 | 21 | 49 | 22 |
| NC | 1 | 5 | 26 | 50 | 18 |
| ND | 2 | 4 | 15 | 62 | 17 |
| OH | 3 | 10 | 30 | 41 | 16 |
| PA | 3 | 10 | 29 | 37 | 21 |
| SD | 1 | 3 | 17 | 50 | 29 |
| TN | 2 | 6 | 19 | 53 | 20 |
| TX | 16 | 19 | 26 | 34 | 5 |
| WI | 2 | 3 | 14 | 54 | 27 |
| 18 States | 2 | 6 | 20 | 50 | 22 |
| Prev Week | 2 | 5 | 19 | 52 | 22 |
| Prev Year | 9 | 16 | 33 | 35 | 7 |

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, on the Internet go to <http://www.nass.usda.gov/sub-form.htm> and follow the instructions.